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# USER MANUAL

## Hill-Rom® P500 Therapy Surface



**Product No. P005723 and P005787**

**158251 REV 3**



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**Manufactured by** Hill-Rom, Inc. Batesville, IN 47006 USA

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To order additional copies of this manual (158251), refer to the back cover for contact information. For countries not listed on the back cover, contact your distributor.

**NOTE:**

The back cover is a comprehensive list of Technical Support contact information for Hill-Rom. The product discussed in this manual may not be available in all of the countries listed.



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## Document Symbols

This manual contains different typefaces and symbols to make the content easier to read and understand:

- Standard text—used for regular data.
- **Boldface text**—emphasizes a word or phrase.
- **NOTE:**—sets apart special data or important instruction clarification.
- **WARNING, RELATIVE CONTRAINDICATION, or CAUTION**



- A **WARNING** identifies situations or actions that may have an effect on user safety. To ignore a warning could cause injury.
- A **RELATIVE CONTRAINDICATION** identifies situations or actions that may have an effect on the occupant's safety.
- A **CAUTION** identifies special procedures or precautions that persons must obey to help prevent equipment damage.

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## Important Safeguards for Household Use

When using electrical products, especially when children are present, basic safety precautions should always be followed, including the following important safeguards.

### **READ ALL INSTRUCTIONS BEFORE USING**

#### **DANGER:**

To reduce the risk of electrocution, follow these instructions:

1. Always unplug this product immediately after using.
2. Do not place or store the product where it can fall or be pulled into a tub or sink.
3. Do not place in or drop into water or other liquid.
4. Do not reach for a product that has fallen into water. Unplug the product immediately.

#### **WARNING:**

To reduce the risk of burns, electrocution, fire, or injury, follow these instructions:

1. Close supervision is necessary when this product is used by or near children or invalids.
2. Use this product only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.
3. Never operate this product if it has a damaged power cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Contact your Hill-Rom service representative for examination and repair.
4. Keep the power cord away from heated surfaces.
5. Never block the air openings of the product's control unit or place it on a soft surface, such as a bed or couch, where the air openings may be blocked. Keep the air openings free of lint, hair, and the like.
6. Never drop or insert any object into any opening or hose.
7. Do not use outdoors or operate where aerosol (spray) products are being used.
8. Connect this product to a properly grounded outlet only. Refer to "Grounding Instructions for Household Use" on page 11.

### **SAVE THESE INSTRUCTIONS**



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## Safety Tips

Healthcare facility use—to help prevent the risk of hospital bed fires, make sure facility persons follow the safety tips in the *FDA Public Health Notification: Safety Tips for Preventing Hospital Bed Fires*. (US only)

### WARNING:

The potential for electrical shock exists with electrical equipment. Failure to follow electrical safety practices could cause death or serious injury.

### RELATIVE CONTRAINDICATION:

Use of active therapy surfaces with occupants with unstabilized spinal cord injury could cause serious injury to the occupant.

### WARNING:

Use oxygen administering equipment of the nasal, mask, or ventilator type only. Do not use this product with oxygen tents. To do so could cause injury or equipment damage.

Refer to the bed product warning label and user manual for the use of oxygen administering equipment.

### WARNING:

If an error shows on the display and the light bar is **flashing orange**, remove the occupant from the surface. Call Hill-Rom Technical Support for assistance as soon as possible. Failure to do so could cause injury or equipment damage.

### WARNING:

If an error shows on the display and the light bar is **solid orange**, call Hill-Rom Technical Support for assistance as soon as possible. Failure to do so could cause injury or equipment damage.

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## Power Cord

### **WARNING:**

When not in use, disconnect the power cord and put it around the control unit.

### **WARNING:**

During use, make sure the power cord is in a position where persons will not trip over it and it is away from bed mechanisms. Failure to do so could cause injury or equipment damage.

---

## Transport Position and Stability

### **WARNING:**

When the control unit is installed on the bed footboard (during transport or normal use), use caution so the unit does not disengage or fall off the footboard. Failure to do so may cause injury or equipment damage.

Follow the bed manufacturer's transport position and stability requirements when the control unit is installed on the bed's footboard.

- Use and position of bed accessories and other devices on the bed such as the control unit may affect stability. Do not exceed the bed's safe working load. For the weight of the control unit and surface, refer to "Specifications" on page 37. Generally, as the bed load increases, the risk of instability goes up.
- Typically, lower the bed height to increase stability.

During transport, keep the bed's foot section and deck as flat as possible. And, keep the control unit installed as high up as possible from the floor to avoid contact with floor, inclines, and objects on the floor.

During transport, make sure the control unit does not hit walls, elevators, etc.

During normal use and when bed articulations move the foot section downward (high-low and/or Reverse Trendelenburg), make sure the control unit does not hit the floor or objects that are under the foot section. Otherwise, the control unit could disengage or fall off the footboard.

 **WARNING:**

When the control unit is being transported on a cart or other surface, use caution so the control unit does not fall off the cart or surface. Failure to do so may cause injury or equipment damage.

The control unit is most stable when it is lying with its backside down. The control unit may tip if it sits upright, especially when the transport device goes up or down inclines, travels fast, stops suddenly, or turns corners.

---

## Clean and Disinfect

We recommend that you clean and disinfect the P500 Therapy Surface (P500) between occupant use and regularly during extended stays. Refer to your facility's cleaning and disinfection policies (if applicable), and follow the guidelines below.

 **WARNING:**

Follow the product manufacturer's instructions. Failure to do so could cause injury or equipment damage.

 **WARNING:**

The potential for electrical shock exists with electrical equipment. Failure to follow electrical safety practices could cause death or serious injury.

 **WARNING:**

Failure to unplug the bed and control unit from their power sources before you clean or disinfect the bed frame and surface could cause injury or equipment damage.

 **WARNING:**

Do not expose the surface to excessive moisture. Injury or equipment damage could occur.

 **CAUTION:**

Do not steam clean or power wash the surface. Pressure and excessive moisture can damage the surface.

 **CAUTION:**

Do not use harsh or abrasive cleansers, solvents, or scouring pads. Equipment damage could occur.

 **CAUTION:**

Do not use CSI disinfectant cleaner. To do so could cause equipment damage.

 **CAUTION:**

Make sure the bed frame and surface are dry before you put the surface on the bed. Failure to do so could cause equipment damage.

**NOTE:**

Clean and disinfect surfaces with nano Ag+® Technology as you would other surfaces. This product is not intended to protect users or others against bacteria, viruses, germs, or other disease organisms. Always disinfect Hill-Rom surfaces thoroughly after each use according to facility/healthcare protocol. Refer to “Clean and Disinfect the P500 and Advanced Microclimate™ Technology (AMT) Coverlet” on page 7.

---

**Clean**

We recommend that you clean the unit with detergent and warm water. Do not use excessive liquid or harsh cleansers.

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**Steam Clean**

Do not use any steam cleaning device on the unit. Excessive moisture can damage mechanisms in this unit.

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**Clean Difficult Spots**

To remove difficult spots or stains, we recommend that you use standard household cleansers and a soft bristle brush. To loosen heavy, dried-on soil, you may first need to saturate the spot.

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**Disinfect**

When there is visible soil and also between occupant use, we recommend that you disinfect the unit with an EPA registered (US only), tuberculocidal, disinfectant.

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**Clean and Disinfect the P500 and Advanced Microclimate™ Technology (AMT) Coverlet**

We recommend that you wipe down the P500 to clean it. In cases of heavy soil, you can machine wash the coverlet. We also recommend that you clean the surface every 60 days for occupants who are on the surface longer than 60 days.

1. Make sure the bed and control unit are unplugged.
2. Remove all linens.
3. If applicable, remove the surface from the bed.
4. Examine the condition of the surface. If there are holes, tears, or other signs of damage or deterioration of the ticking, replace the surface.

5. Wipe down the surface with chlorine bleach (50 ppm to 150 ppm) or mild detergent and warm water followed by an approved intermediate level disinfectant.

**NOTE:**

2.5 oz of bleach per 10 gal of water is approximately 100 ppm of available chlorine.

**NOTE:**

If you turn the surface to clean it, make sure the cleaning solution does not pool or flow on to the other side or edges of the surface. This may permit fluid to get into the surface air outlets and zipper closures that ordinarily are protected by the ticking flaps.

6. Let the bleach or disinfectant remain in contact with the surface as instructed in the manufacturer's instructions.
7. Remove the bleach or disinfectant, and rinse with warm water.
8. Let the surface and/or coverlet completely air dry.
9. If the surface was removed, install it on the bed. Go to "Install the P500" on page 25.

**Machine Wash the AMT Coverlet**

1. Remove the coverlet.
2. Machine-wash the coverlet with chlorine bleach (50 ppm to 150 ppm) or detergent and an effective intermediate level disinfectant. (For customers in the US, the disinfectant should be registered with the Environmental Protection Agency.)

**NOTE:**

2.5 oz of bleach per 10 gal of water is approximately 100 ppm of available chlorine.

- Use the bleach or disinfectant as instructed in the manufacturer's instructions.
- To determine the amount of bleach or disinfectant to use, determine the amount of water in the washer, and follow the manufacturer's dilution instructions.
- During the wash cycle, soak the coverlet in the disinfectant or bleach.
- Let the coverlet rinse thoroughly in clean water.

 **CAUTION:**

Do **not** use high temperatures to dry the coverlet. Air dry or select a low or non-heat dry cycle such as air fluff. High temperatures could destroy the coating that makes the coverlet waterproof yet breathable.

3. Use the **lowest** temperature setting of the dryer to dry the coverlet. Do **not** use high temperatures.
4. Put the coverlet on the surface.

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## Maintenance

### **⚠ WARNING:**

Only authorized persons should service the P500. Service by unauthorized persons could cause injury or equipment damage.

Refer to the *Hill-Rom® P500 Therapy Surface Service Manual* (158824) for preventive maintenance requirements and service procedures.

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## Service Calls

If you call Hill-Rom about your unit, be prepared to give the serial number from the product identification label. The location of the serial number label is on the control unit, next to the hose connector.

When you give the serial number, the Hill-Rom representative can identify your unit and give you the information you need more quickly.



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## Unit Removal and Storage

To store the P500, do as follows:

- Refer to the detailed instructions for “Unit Removal and Storage” in the *Hill-Rom® P500 Therapy Surface Service Manual* (158824).
- Store the P500 in a safe place that is within the recommended environmental conditions shown on page 37.

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## Discard the Unit

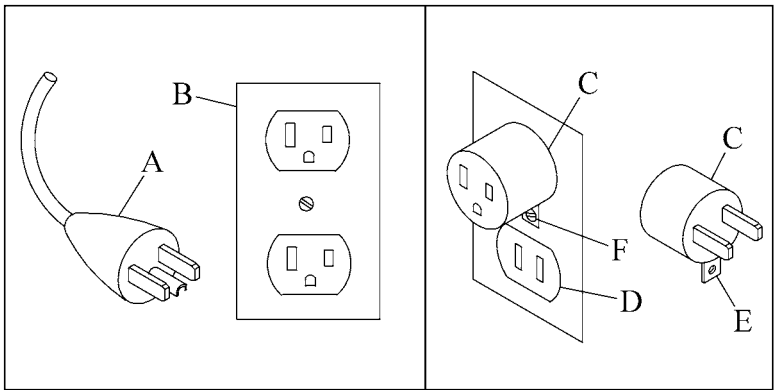
When the P500 has reached the end of its useful life, discard it in accordance with local and federal standards. Recycle as much as possible.

This product does not contain lead acid batteries.



## Grounding Instructions for Household Use

This product should be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a power cord having a grounding wire with a grounding plug (A). The plug must be plugged into an outlet (B) that is properly installed and grounded.



### **⚠ DANGER:**

Improper use of the grounding plug can cause a risk of electric shock.

If repair or replacement of the power cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded.

This product is for use on a nominal 120 V circuit, and has a grounding plug that looks like the plug (A) shown. A temporary adapter, which looks like the adapter (C) shown, may be used to connect this plug to a two-pole receptacle (D), as shown, if a properly grounded outlet is not available.

The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, lug, and the like (E) extending from the adapter must be connected to a permanent ground, such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by the screw (F).

If it is necessary to use an extension cord, use only a three-wire extension cord that has a three-blade grounded plug and a three-slot receptacle that accepts the plug on the product. Repair or replace a damaged cord.

---

## Intended Use

The P500 is for household and healthcare facility use.

### **RELATIVE CONTRAINDICATION:**

Use of active therapy surfaces with occupants with unstabilized spinal cord injury could cause serious injury to the occupant.

### **WARNING:**

Do **not** use the P500 with an occupant who weighs less than 70 lb (32 kg) or more than 500 lb (227 kg). Injury or equipment damage could occur.

The P500 helps prevent and treat Stage I through IV pressure ulcers in occupants who weigh between 70 lb and 500 lb (32 kg and 227 kg) and are between 59" and 74" (150 cm to 188 cm) in height. The safe working load of the surface is 500 lb (227 kg).

### **WARNING:**

Failure to correctly assess the fit of the surface relative to the frame and siderails could cause an entrapment risk that could cause death or serious injury.

The P500 surface is a finished size of 35.5" (90 cm) wide by 84" (213 cm) long, with a thickness of 8" (20 cm). The surface is designed for use on pan-deck frames that accommodate this surface size; it is not intended for use on spring-deck frames. For a list of approved bed frames, refer to "Bed Frames" on page 31.

The intended users of this product are healthcare employees, non-clinical caregivers, and occupants who have the physical strength and cognitive skills to operate and control the product. Follow safety protocols if an intended user does not have the physical strength or cognitive skills to operate and control the product safely.

---

## Introduction

This manual contains information necessary for normal operation of the P500. Before you operate the unit, make sure you read and understand in detail the contents of this manual. It is important that you read and obey the aspects of safety that are in this manual. Any reference to a side of the P500 is from the occupant's view lying on the surface on his or her back.

---

## Control Unit Features and Use

The control unit is installed on the footboard of the bed. The unit automatically supplies pressure redistribution and Advanced Microclimate™ Technology (AMT) (next-generation Low Air Loss) to the surface. (For more information about AMT, go to “Surface Features and Use” on page 23.) Through the unit’s control panel, the caregiver does these:



- Sets alarms (see “Alarms” on page 17).
- Change the air pressure levels for the surface (see “Comfort Adjust” on page 20).
- Sets the surface modes (see “Surface Modes” on page 20).
- Enters the occupant’s weight (see “Set Up the System for Occupant Placement” on page 27).

---

## Power Switch

The power switch turns the control unit on and off. The switch is next to power cord connector on the left side of the control unit.



### NOTE:

When you turn on the unit, you must set the system up for occupant placement (see “Set Up the System for Occupant Placement” on page 27), or the unit will go into an alarm state.

---

## CPR

### WARNING:

The P500 CPR control does not control the bed frame. You must use the bed CPR controls to put the bed frame into the CPR position. Failure to do so could cause occupant injury.



The **CPR** control is on the front of the control unit at the upper left-hand corner. When you press the **CPR** control, the system hyperinflates the surface for 60 minutes to supply a firm surface for CPR.

**NOTE:**

The CPR mode has a two-minute warning—an alarm comes on and the light bar flashes—to let you know the CPR mode time is almost over and the surface will soon go into the Normal mode.

**On**—press the control until the light bar is red. The display will show these:

Set Bed Frame  
to CPR position

and then

CPR Time Remaining  
00:59:54

**Add 60 minutes to the time remaining**—press the **CPR** control.

**Off**—if you want to stop the CPR mode before the 60 minutes have passed, press a surface mode control until its indicator comes on and the light bar is green.

---

## Light Bar

### **WARNING:**

The occupant should not be on the surface if the light bar is **flashing orange** because of a system error. Injury could occur.

When the control unit is connected to AC power, the light bar on the front of the unit shows the system's status:

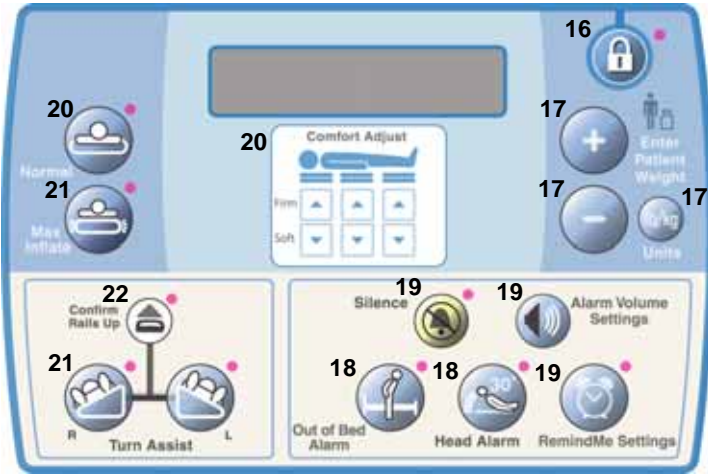
- **Not on**—a weight has not been entered.
- **Green**—the system is operating correctly, and the system is not in CPR mode.
- **Red**—the system is in CPR mode.
- **Orange**—the system is not in CPR mode, and an error has been detected; the surface pressures **can** adjust.
- **Flashing orange**—the system is not in CPR mode, and the system is in an alarm condition or an error has been detected. If an error has been detected, the surface pressures **can not** adjust.



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## Control Panel

For detailed information about a control, go to the page number shown next to the control.



### Display

The display shows the current status of the system (current mode, alarms set, etc.), guides you through the options to select, and shows the results of your selections (entered weight, alarm times, etc.).

### Controls Lockout

The lockout control on the control panel locks out all of the controls on the control panel. The lockout control does **not** lockout the CPR control.



**Lock**—press the control until its indicator comes on.



**Unlock**—press and hold the control until its indicator goes off.



### NOTE:

If the controls are locked, and you press the CPR control, the controls will automatically unlock.

## Plus (+) and Minus (-)

The plus (+) and minus (-) controls are used for these:

- Select an option shown on the display.
- Move up and down through the options shown on the display.
- Increase or decrease the weight shown on the display.



## LB/KG

The **lb/kg** control changes the weight reading shown on the display to **lb** or **kg** as applicable.



## Alarms

The system has three alarms that are turned on and off through the control panel. These alarms do **not** connect to the bed frame alarms or to a facility network.

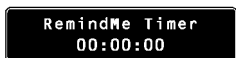
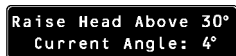
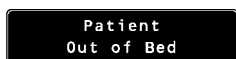
When the surface is in an alarm state, these will occur:

- An audible alarm comes on.

### NOTE:

The default volume level is high. To change the level, go to “Alarm Volume Settings” on page 19.

- The indicators for the applicable alarm control and the silence control flash.
- The light bar flashes orange.
- A message applicable to the alarm shows on the display:



### NOTE:

If the surface goes into a Head Alarm state, the light bar will flash orange, and after five minutes, the audible alarm will come on.

## Out of Bed Alarm

When the Out of Bed Alarm is **on**, the control unit monitors the presence of the occupant's weight on the bed. If the occupant's weight is not detected, the system goes into an alarm state.



### **⚠️ WARNING:**

The Out of Bed alarm is **not** intended to replace good nursing practice, regular occupant assessment, and direct observation to prevent occupant entrapment. Evaluate occupants for entrapment risk according to facility/healthcare protocol, and monitor occupants appropriately. Failure to do so could cause serious injury or death.

**Turn the alarm on or off**—press the control. When the alarm is on, the control's indicator stays on.



## Head Alarm

When the Head Alarm is **on**, the control unit monitors the angle of the head section relative to the floor. If the head section is detected below 30°, the system goes into an alarm state. The light bar will flash orange, and after five minutes, the audible alarm will come on.



### **On**

1. Make sure the bed is not in the Trendelenburg or Reverse Trendelenburg position.
2. Press the control until its indicator stays on.



### **NOTE:**

If the current angle of the head section is not above 30°, the display will show this:



**Off**—press the control until its indicator goes off.





## **RemindMe™ Settings (Alarm)**



The RemindMe™ Settings alarm can be turned on to remind the caregiver to do care tasks. You can set the alarm to come on from 30 minutes up to 4 hours.

### **On**

1. Press the control until its indicator stays on.
2. Press and release the control as applicable to set the interval time from 30 minutes to 4 hours.



When the alarm is set, the control's indicator stays on and the alarm state will occur at the end of the set time.

**Example**—if you want the alarm to come on in 2 hours, press the control four times. When 2 hours have passed, the surface will go into an alarm state.

**Off**—press the control until the indicator goes off.

### **Alarm Volume Settings**

The alarms have three levels of volume: low, medium, and high. The default volume level is high.

**Change the volume level**—press and release the **Volume** control until you reach the applicable volume level as shown on the display.



### **Silence**

When the surface is in an alarm state, the Silence control turns off the alarm sound and the flashing light bar for 30 minutes. After 30 minutes, if the problem has not been corrected, the alarm sound and the flashing light bar will come on again.



**On**—press the control until its indicator stays on.

### **NOTE:**

If you press the Silence control because the surface is in an **Out of Bed** alarm state, if the occupant returns to the surface, the system automatically enables the alarm.

## Comfort Adjust

The system automatically supplies the pressure redistribution for the occupant's weight and the head angle of the bed. To change the level of air pressure in the head, seat, and foot sections, use the Comfort Adjust controls.

There are five pressure levels: softer, soft, normal, firm, and firmer. The default pressure level is normal.

### Increase or Decrease Pressure

1. Press one of the **Up** or **Down** arrows to engage the feature.
2. Press the section **Up** or **Down** arrow until you reach the applicable pressure level.



When you set the Comfort Adjust levels, the settings will stay at those levels in the Normal and Sleep modes until you change the settings or the surface is reset for a new occupant.

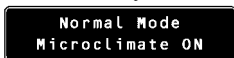
## Surface Modes

### Normal

Normal mode causes the air pressure in the surface sections to adjust according to the occupant's weight and the surface head angle.

When the system is turned on, it automatically goes into Normal mode.

If the system is another mode, and you want the surface to return to Normal mode, press the **Normal** control until its indicator stays on.



## Max Inflate

Max Inflate mode causes the surface to become very firm. After the surface has been in Max Inflate mode for 30 minutes, an alarm comes on, the control's indicator flashes, and the surface goes into Normal mode.

### **NOTE:**

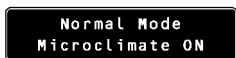
The Max Inflate mode has a two-minute warning—an alarm comes on and its indicator flashes—to let you know the therapy mode time is almost over and the surface will soon go into the Normal mode.

**On**—press the control until its indicator stays on.



**Add 30 minutes to the time remaining**—press the **Max Inflate** control.

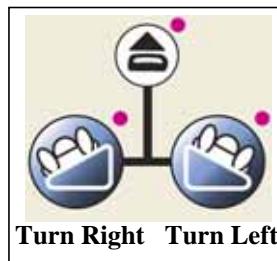
**Off**—if you want to stop the Max Inflate mode before the 30 minutes have passed, press the **Normal** control until its indicator comes on.



## Turn Assist

### **WARNING:**

Before you put the surface into the Turn Assist mode, make sure the bed siderails are raised and locked on the side that the occupant is to turn toward. Failure to do so could cause injury.



The Turn Assist mode helps you temporarily turn the occupant to the left or right. When you turn this mode on, the head and seat bladders adjust, and an internal air bladder inflates to start the turning process. After the occupant reaches 25° to 35°, the surface will pause for approximately 15 seconds. After the 15 seconds, an audible indicator comes on, the bladder quickly deflates, and the surface returns to its previous mode.

## On

1. Make sure the occupant is centered on the surface.
2. Make sure the head of the bed is below 30° and the **Head Alarm** is off.
3. Make sure the bed siderails are raised and locked on the side that the occupant will turn toward.
4. Press the **Confirm Rails Up** control until its indicator stays on.



### NOTE:

You must press the Confirm Rails Up control within two minutes before or after you press the Turn Assist control.

5. Press the applicable **Turn Assist R** or **L** control until its indicator comes on.



When the Turn Assist mode is on, the surface turns the occupant to the applicable side, beeps one time, and then holds the occupant in the turned position. During the turn period, help support the occupant and do the necessary procedure.

At the end of the turn period, the unit beeps three times, the occupant is returned to the flat position, and then the surface returns to its previous mode.



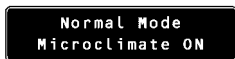
## Sleep

The Sleep Mode is used to temporarily turn off the air system to permit occupants who are sensitive to sleep surface movement to sleep. The air pressure in the surface is monitored, but the air pump does not operate unless the air pressures fall below or raise above a preset level. After eight hours, the surface will go into Normal mode.

**On**—press and hold the **Turn Assist R and L** controls until their indicators come on.



**Off**—if you want to stop the Sleep mode before the eight hours have passed, press any mode control until its indicator stays on.



## Surface Features and Use

### **⚠ WARNING:**

The surface is not a substitute for good nursing practices. The surface should be used in conjunction with a good risk assessment and protocol.



### **⚠ WARNING:**

Sleep surface impermeability and pressure relief capabilities can be affected by needle sticks or other bladder punctures and can cause the air system to fail. Caregivers should be instructed to **prevent** bladder punctures caused by **needle sticks** and incorrect use of x-ray cassette holders.

The sleep surface should be regularly inspected for punctures, rips, tears, or other such damage. Replace the surface as necessary.

### **⚠ WARNING:**

Occupants with body weight or length near the recommended limits should be monitored more frequently for good results. It may be necessary to lower the head section for better pressure performance.

The P500 surface accommodates an occupant weight from 70 lb to 500 lb (32 kg to 227 kg), a width up to 35" (89 cm), and a height between 59" and 74" (150 cm to 188 cm). This surface effectively redistributes pressure for occupant weights up to 500 lb (227 kg).

The P500 surface uses Advanced Microclimate™ Technology (AMT). AMT operates continuously while the occupant is on the bed and helps decrease localized heat and moisture buildup that occurs between the occupant and the surface. The minimum occupant weight for AMT to operate as intended is 70 lb (32 kg).

**NOTE:**

The P500 surface should always be used with the AMT coverlet installed.

**NOTE:**

We recommend that you do not use accessories such as plastic under pads with the P500 surface. Such products can prevent the flow of moisture from the occupant’s skin to the AMT coverlet.

---

## Nano Ag+® Technology with SmartSilver® Ions

The use of nano Ag+® Technology with SmartSilver® Ions supplies surface protection as an antimicrobial that kills > 99.8% of stain and odor causing bacteria on the surface. This product is not intended to protect users or others against bacteria, viruses, germs, or other disease organisms. Always disinfect Hill-Rom surfaces thoroughly after each use according to facility/healthcare protocol.

Handle surfaces with nano Ag+® Technology as you would other surfaces; there are no known concerns for handling, discarding, toxicity, or allergic reactions.

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## X-Ray Cassette Sleeve

The surface has an x-ray cassette sleeve that permits a 17" x 14" x-ray cassette to be inserted from either side of the coverlet.

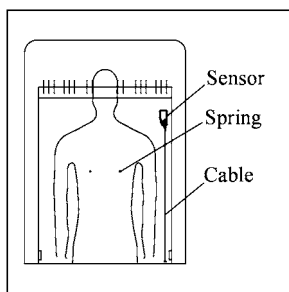


**⚠ WARNING:**

When you x-ray an occupant on the surface, do not misidentify the sensor, cable, or two springs that are in the fluoroscopy window.

To use the cassette sleeve, do as follows:

1. Put the surface in the Max Inflate mode (see “Max Inflate” on page 21).



**⚠ CAUTION:**

The sharp edges of an x-ray cassette can damage the surface. Use care when you use an x-ray cassette with the surface.

2. Put the x-ray cassette in a pillow case.
  3. Put the pillow case-covered x-ray cassette into the cassette sleeve.
- When the cassette sleeve is not in use, keep the sleeve openings closed.

---

## Hose Assembly Features and Use

The hose assembly connects the control unit to the surface.

To help keep the hose assembly off the floor, a hose hanger is on the hose assembly and can be attached to one of the hooks on the bottom of the control unit.



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## Install the P500

1. For detailed instructions on how to install the P500, refer to “Unit Setup” in the *P500 Therapy Surface Service Manual* (158824).
2. When you set up the P500, make sure of these:
  - The bed frame is compatible for the P500. Refer to “Bed Frames” on page 31.

**⚠ WARNING:**

Failure to make sure the siderails operate correctly **before** you put an occupant on the surface could cause injury.

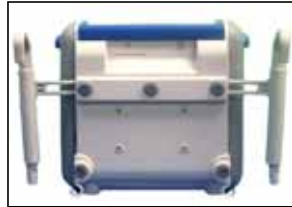
- The siderails raise, lock into position, and lower correctly (as applicable).

**⚠ WARNING:**

Make sure the straps are through the sleep deck only. Failure to do so could cause the bed not to articulate as intended. Injury or equipment damage could occur.

- You put the surface straps through the sleep deck only and not through or around any bed frame areas that would prevent the bed from articulating.
- If the bed frame has footboard controls, you install the control unit so that you can view and get access to the footboard controls. To adjust the hangers on the control unit, do as follows:

- a. Pull the hangers out from the unit to the applicable width.



- b. Turn the hanger hooks so the arrows on the brackets align.



- c. Pull the hooks up from the brackets, and adjust the height as necessary.



**NOTE:**

There are two extension lengths.



- d. Turn the hanger hooks approximately 90° toward the bed to lock them into the correct position.
- When you connect the hose to the surface and the control unit, you hear a click to let you know the hose assembly is correctly connected.
- You attach the hose hanger to one of the hooks on the bottom of the control unit to help keep the hose off the floor.



**⚠ WARNING:**

Put the power cord in a position where persons will not trip over it and it is away from bed mechanisms. Failure to do so could cause injury or equipment damage.

- The power cord is in a position where persons will not trip over it and it is away from the bed mechanisms.
- All functions of the P500 operate correctly. Refer to “Control Unit Features and Use” on page 14.
- All functions of the bed frame operate correctly. Refer to the bed manufacturer’s user documentation.

---

## Set Up the System for Occupant Placement

1. Make sure the control unit is correctly installed on the footboard (see “Install the P500” on page 25).

**⚠ WARNING:**

If an error shows on the display and the light bar is **flashing orange**, do not put the occupant on the surface. Injury could occur.

2. Press the **Power** switch to **On**. The unit does a self test to make sure it is operating correctly. One of these will occur:
  - If the unit detects an error, an alarm comes on, the light bar changes to orange or flashing orange, and the display shows the problem. Call Hill-Rom Technical Support. **If the light bar is flashing orange, do not use the surface.**

- If the unit passes the self-test, the display shows this:

(+)New Patient  
(-)Previous Settings

To select **New Patient**, press the plus (+) control, and then go to step 3. Or, to keep the previous settings, press the minus (-) control, and then go to step 4.



### **WARNING:**

Failure to enter the correct occupant weight can lead to injury due to incorrect surface pressures.

### 3. **New Patient**

Please Enter  
Patient Weight

Enter the weight as follows:

- Press the **lb/kg** control to change the weight dimension to **lb** or **kg** as applicable.
- Press the plus (+) control.
- Press the plus (+) or minus (-) control to change the weight shown on the display.



### **NOTE:**

To quickly change the weight dimension, press and hold the plus (+) or minus (-) control.

### **NOTE:**

If the system has been on for five minutes and the occupant weight has not been entered, an audible alarm will come on and the display will flash **Enter Patient Weight**. This is to let you know the surface pressures may not be correct for the occupant. The alarm state will continue until you press the plus (+) or minus (-) control.

### **NOTE:**

The weight must be between 70 lb and 500 lb (32 kg and 227 kg).

- Review the settings shown on the display to make sure they are correct for the occupant.
  - To change the weight setting, do steps 3b and 3c.

**NOTE:**

The unit adjusts its pressure levels according to the entered weight and the surface head angle; this is Normal mode.

- To change the pressure levels of the surface, go to “Comfort Adjust” on page 20.
- To change the surface mode, go to “Surface Modes” on page 20.

---

## Transfer the Occupant to or from the Unit

1. Put the **bed** in the transfer position (refer to the bed manufacturer’s user documentation).
2. Put the **surface** into the Max Inflate mode (see “Max Inflate” on page 21).
3. Transfer the occupant to or from the unit as necessary (refer to the bed manufacturer’s user documentation).

---

## Transport the Occupant on the Unit

1. Press the **Power** switch to **Off**.
2. Disconnect the control unit from its power source. The surface will stay at its current pressure levels for approximately 3 hours.

**NOTE:**

No controls are available when the system is disconnected from AC power.

3. Close the display on the control unit.
4. Put the **bed** in the transport position (refer to the bed manufacturer’s user documentation).
5. If necessary, do as follows to leave the control unit and hose assembly in the room:
  - a. Press the disconnect switch on the hose assembly to disconnect it from the surface.
  - b. Remove the control unit from the footboard.
  - c. Put the control unit and hose assembly in a safe place that is away from traffic.



Disconnect Switch

6. Transport the occupant on the bed as necessary. Refer to “Transport Position and Stability” on page 4 and also the bed manufacturer’s user documentation.

**⚠ WARNING:**

When transport is complete, connect the unit to an applicable power source. Failure to do so could cause injury.

7. When transport is complete, do as follows:
  - a. Install the control unit and hose assembly on the footboard (see “Install the P500” on page 25).
  - b. Connect the hose assembly to the surface.
  - c. Connect the unit to an applicable power source, and then go to “Set Up the System for Occupant Placement” on page 27.

---

## Loss of Power

If the power to the unit is lost, this occurs:

- The control unit shuts down.
- The surface stays at its current mode—Normal or Max Inflate—for approximately 3 hours.

**NOTE:**

If the unit is in the Turn Assist mode, the system will automatically go into Normal mode.

When power returns to the system, the system does a self-test to make sure of correct operation. When the system completes and passes the self-test, the display will go through the set up (see “Set Up the System for Occupant Placement” on page 27).

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## Bed Frames

### WARNING:

The safe working load of the surface may be more than the safe working load of the bed frame. Injury or equipment damage could occur if you exceed the safe working load of the bed frame.

### WARNING:

Do not use the P500 on a bed with siderail pads or extenders installed in locations other than those recommended in the bed product user manual. To do so could cause injury or equipment damage.

### WARNING:

It is the user's responsibility to make sure the occupant is safe if the surface is used on a frame **not** approved by Hill-Rom.

The unit can be used on the bed frames shown below. These bed frames have been evaluated for fit and function with the P500 installed. For the latest list of approved bed frames, contact Hill-Rom Technical Support. For use on a bed frame **not** approved by Hill-Rom, evaluate the bed frame with the surface installed to make sure it is safe for occupant use.

<b>From Hill-Rom</b>	
100 Low Bed	Advanta™ 2 Bed
1000 Bed	CareAssist® Bed
80 Bed	CareAssist® ES Bed
70 Bed	Century Bed
Advance® Series Bed	Century+ Bed
Advanta™ Bed	Resident® LTC Bed
<b>From Stryker</b>	
Go Bed® II	Secure® II Bed
S3 Bed	InTouch® Bed

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## Bed Exit/Out of Bed Alarm

The P500 has an Out of Bed Alarm that when the alarm is set and the occupant's weight is no longer detected on the surface, the alarm comes on. On bed frames that have their own Bed Exit Alarm System, we recommend that you use the surface's Out of Bed Alarm instead of the frame's Bed Exit Alarm System (see "Out of Bed Alarm" on page 18).

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## Fracture Frame

When a fracture frame is installed on the bed, do as follows:

1. Put the bed at the applicable height and sleep deck configuration.
2. Lock out the bed hilow and knee and foot section controls to prevent movement.
3. If adjustment of the bed height or sleep deck is necessary, do as follows (refer to the bed product user manual for operation steps specific to the frame):
  - a. Disconnect the hose from the surface.
  - b. Adjust the bed as necessary.
  - c. Connect the hose to the surface.

### **NOTE:**

The hose can be on the outside or inside of the fracture frame.

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## Siderails

### **WARNING:**

Evaluate occupants for entrapment risk according to facility/healthcare protocol, and monitor occupants appropriately. Make sure all siderails are fully latched when in the raised position. Failure to do either of these could cause serious injury or death.

### **NOTE:**

Siderails are intended to be a reminder to the occupant of the unit's edges, not an occupant-restraining device. When appropriate, Hill-Rom recommends that medical persons determine the proper methods necessary to make sure an occupant remains safely in bed.

The P500 is compatible with different bed models. There will be some differences of fit with different models and even from bed to bed of the same model. If the force necessary to latch the siderails seems excessive, make sure there are no obstructions in the latch mechanisms and the surface is not in the Max Inflate mode.

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## Reverse Trendelenburg

### CAUTION:

Bed adjustment into the Reverse Trendelenburg position can cause the hose to be caught between the bed and the floor. Always maintain good air hose management. Failure to do so can cause equipment damage.

Some beds have the Reverse Trendelenburg position that lowers the foot section close to the floor. Take care that the hose is not caught between the bed frame and floor when the bed adjusts to this position.

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## Troubleshooting

### WARNING:

Only authorized persons should service the P500. Service by unauthorized persons could cause injury or equipment damage.

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## An Error Shows on the Display; the Light Bar is Solid Orange or Flashing Orange

- If an error shows on the display, and the light bar is **solid orange**, call Hill-Rom Technical Support for assistance as soon as possible.
- If an error shows on the display, and the light bar is **flashing orange**, remove the occupant from the unit, and then call Hill-Rom Technical Support for assistance.

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## The Unit Does Not Go into Turn Assist Mode

- If you did not press the **Confirm Rails Up** control within two minutes before or after you press the Turn Assist control, Turn Assist mode will not operate.
- If the head of bed angle is more than 30°, Turn Assist mode will not operate.










For either of the above, refer to the instructions for “Turn Assist” on page 21.

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## An Alarm Does Not Fully Turn Off









If you press the **Silence** control, the alarm turns off **temporarily**. To fully turn off an alarm, refer to “Alarms” on page 17.

## Product Symbols

Symbol	Definition
	Type B applied part, according to IEC 60601-1 (UL 60601-1).
<b>IPX 1</b>	Degree of protection against the ingress of water.
	<b>ATTENTION:</b> Consult accompanying documents.
<b>ETL CLASSIFIED</b>  <b>Intertek</b> <b>118841</b>	ETL classified product. <b>MEDICAL ELECTRICAL EQUIPMENT CONFORMS TO UL Std. 60601-1, IEC60601-1-4, and CERTIFIED TO CAN/CSA Std. C22.2 NO. 601.1</b> Scope: P500 Therapy Surface
	Protective earth (ground).
	Recycle the product in accordance with local regulations.
	Fuse identification—3AG (UL 248-14 approved) Time Delay (T) 3 A/250 V.
	Ready for Transport symbol from IEC/TR 60878:2003 (Symbol # 5661)—refer to “Transport Position and Stability” on page 4 for applicable warnings.



Symbol	Definition
	<p><b>CPR control</b>—puts the surface into CPR mode.</p>
	<p>Shows the location of the CPR control.</p>
	<p><b>Normal control</b>—starts or stops the Normal mode.</p>
	<p><b>Max Inflate control</b>—starts or stops the Max Inflate mode.</p>
	<p><b>Turn Assist mode Left and Right controls</b>—starts or stops the Turn Assist mode.</p>
	<p><b>Confirm Rails Up control</b>—must be pressed for the Turn Assist mode to start.</p>
	<p><b>Comfort Adjust control</b>—lets you change the pressures from softer to firmer in the head, seat, and foot sections of the surface.</p>
	<p><b>Out of Bed Alarm control</b>—turns on or off the alarm for when the occupant's weight is not detected on the surface.</p>

Symbol	Definition
	<p><b>Head Alarm</b> control—turns on or off the alarm for when the angle of the head section is less than 30°.</p>
	<p><b>RemindMe™ Settings</b> control—sets an alarm to come on from 30 minutes up to 4 hours as a reminder to the caregiver to do care tasks.</p>
	<p><b>Silence</b> control—turns off an alarm's sound for 30 minutes.</p>
	<p><b>Volume</b> control—changes the alarm volume. There are three levels: low, medium, and high.</p>
	<p><b>lb/kg</b> control—changes the weight shown on the display from pounds to kilograms as applicable.</p>
	<p><b>Minus (-)</b> control—used as a selector for items on the display and to change time and weight units.</p>
	<p><b>Plus (+)</b> control—used as a selector for items on the display and to change time and weight units.</p>
	<p><b>Lockout</b> control—locks and unlocks the controls on the control panel.</p>

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## Specifications

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### Model Identification

Product Number	Description
P005723	P500 Therapy Surface (capital unit)
P005787	P500 Therapy Surface (rental unit)

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### Standard Features

Feature	Dimension
Surface width (inflated)	35.5" (90.2 cm)
Surface length (inflated)	84" (213 cm)
Surface height (inflated at maximum pressures for a flat deck bed such as the Advanta™ Bed or Advance® Series Bed)	8" (20 cm)
Surface weight	45 lb ± 2 lb (20 kg ± 1 kg)
Control unit weight	30 lb ± 2 lb (14 kg ± 1 kg)
Recommended therapeutic occupant weight range	70 lb to 500 lb (32 kg to 227 kg)
Recommended therapeutic occupant height range	4' 11" to 6' 2" (150 cm to 188 cm)
Surface safe working load	500 lb (227 kg)

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### Environmental Conditions

#### Use

Feature	Dimension
Temperature	59°F to 104°F (15°C to 40°C)
Relative humidity range	10% to 90% (non-condensing)

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#### Transport and Storage

Feature	Dimension
Temperature	-40°F to 158°F (-40°C to 70°C)
Relative humidity range	10% to 95% (non-condensing)

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## Power Requirements

### AC Power

Condition	Range
Power distribution	120 V~ @ 60 Hz
Maximum current draw	3 A

### Fuse Specification

Condition	Range
Mains voltage (120 V)	2 each, 3AG (UL 248-14 approved) Time Delay (T) 3 A/250 V

Refer to the *P500 Therapy Surface Service Manual* (158824) for fuse replacement procedures.

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## Classification and Standards

Condition	Range
Technical and Quality Assurance Standards	UL 60601-1 CSA® C22.2 No. 601.1 IEC 60601-1 IEC 60601-1-2 IEC 60601-1-4 ISO 13485
IEC 60601-1 Classification According to Degree of Protection against Electric Shock	Class I equipment
IEC 60601-1 Classification According to Type of Protection against Electric Shock	Type B applied part
Degree of Protection Against Ingress of Water	IPX1
Degree of Protection Against the Presence of Flammable Anaesthetic Mixtures	Equipment not suitable for use in the presence of a flammable anaesthetic mixture with air or with oxygen or nitrous oxide
Mode of Operation	Continuous

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## Electromagnetic Emissions Guidance

### CAUTION:

This device meets all requirements for electromagnetic compatibility per IEC 60601-1-2. It is unlikely that the user will encounter problems with this device because of inadequate electromagnetic immunity. However, electromagnetic immunity is always relative, and standards are based on anticipated environments of use. If the user observes unusual device behavior, particularly if such behavior is intermittent and associated with nearby use of radio or TV transmitters, cell phones, or electro-surgical equipment, this could be an indication of electromagnetic-interference. If such behavior occurs, the user should try to move the interfering equipment further from this device.

### WARNING:

The P500 should not be used adjacent to or stacked with other electrical equipment. If adjacent or stacked use is necessary, observe the P500 and the other electrical equipment to make sure they operate as intended.

Make sure the P500 operates correctly when it is used near other electronic devices. Portable and mobile radio frequency (RF) communications equipment can affect electrical equipment.

Medical equipment needs special precautions in regard to electromagnetic compatibility (EMC) and needs to be installed and put into service according to the EMC information supplied in the tables that follow.

**Guidance and Manufacturer's Declaration—Electromagnetic Emissions**

The P500 is intended for use in the electromagnetic environment specified below. The customer or the user of the P500 should make sure it is used in such an environment.


<b>Emissions Test</b>	<b>Compliance</b>	<b>Electromagnetic Environment—Guidance</b>
RF Emissions CISPR 11	Group 1	The P500 uses RF energy only for its internal functions. Therefore, its RF emissions are low and are not likely to cause any interference in nearby electronic equipment.
RF Emissions CISPR 11	Class B	The P500 is suitable for use in all establishments, including domestic establishments, and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic Emissions IEC 61000-3-2	Class A	
Voltage Fluctuations/Flicker Emissions IEC 61000-3-3	Complies	

## Electromagnetic Immunity Guidance

<b>Guidance and Manufacturer's Declaration - Electromagnetic Immunity</b>			
The P500 is intended for use in the electromagnetic environment specified below. The customer or the user of the P500 should make sure it is used in such an environment.			
<b>Immunity Test</b>	<b>IEC 60601 Test Level</b>	<b>Compliance Level</b>	<b>Electromagnetic Environment— Guidance</b>
Electrostatic Discharge (ESD)  IEC 61000-4-2	± 6 kV Contact  ± 8 kV Air	± 6 kV Contact  ± 8 kV Air	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical Fast Transient/Burst  IEC 61000-4-4	± 2 kV for Power Supply Lines  ± 1 kV for Input/ Output Lines	± 2 kV for Power Supply Lines  ± 1 kV for Input/ Output Lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge  IEC 61000-4-5	± 1 kV Line(s) to Line(s)  ± 2 kV Line(s) to Earth	± 1 kV Line(s) to Line(s)  ± 2 kV Line(s) to Earth	Mains power quality should be that of a typical commercial or hospital environment.
Voltage Dips, Short Interruptions, and Voltage Variations On Power Supply Input Lines  IEC 61000-4-11	< 5% $U_T$ (> 95% dip in $U_T$ ) for 0.5 cycles  40% $U_T$ (60% dip in $U_T$ ) for 5 cycles  70% $U_T$ (30% dip in $U_T$ ) for 25 cycles  < 5% $U_T$ (> 95% dip in $U_T$ ) for 5 s	< 5% $U_T$ (> 95% dip in $U_T$ ) for 0.5 cycles  40% $U_T$ (60% dip in $U_T$ ) for 5 cycles  70% $U_T$ (30% dip in $U_T$ ) for 25 cycles  < 5% $U_T$ (> 95% dip in $U_T$ ) for 5 seconds	Mains power quality should be of a typical commercial or hospital environment. If the user of the P500 requires continued operation during power mains interruption, it is recommended that the P500 be powered from an uninterruptedly power supply or a battery.
Power Frequency (50/60Hz) Magnetic Field  IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
Note: $U_T$ is the AC mains voltage prior to application of the test level.			

### Guidance and Manufacturer's Declaration - Electromagnetic Immunity

The P500 is intended for use in the electromagnetic environment specified below. The customer or the user of the P500 should make sure it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment—Guidance
Conducted RF IEC 61000-4-6	3 V/m 150 kHz to 80 MHz	3 V/m	<p>Portable and mobile RF communications equipment should be used no closer to any part of the P500, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.</p> <p>Recommended separation distance:</p> $d = 1.2 \sqrt{P}$
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	$d = 1.2 \sqrt{P} \quad 80 \text{ MHz to } 800 \text{ MHz}$ $d = 2.33 \sqrt{P} \quad 800 \text{ MHz to } 2.5 \text{ GHz}$ <p>Where <math>P</math> is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and <math>d</math> is the recommended separation in metres (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey<sup>a</sup>, should be less than the compliance level in each frequency range<sup>b</sup>.</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol.</p> <div style="text-align: center;">  </div>

Note 1: At 80 MHz and 800 MHz, the higher the frequency range applies.

Note 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

- a. Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the P500 is used exceeds the applicable RF compliance level above, the P500 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the P500.
- b. Over the frequency range of 150 kHz to 80 MHz, field strength should be less than 3 V/m.



<b>Recommended separation distances between portable and mobile RF communications equipment and the P500</b>			
The P500 is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the P500 can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the P500 as recommended below, according to the maximum output power of the communications equipment.			
<b>Rated maximum output power of transmitter, W</b>	<b>Separation distance according to frequency of transmitter m</b>		
	<b>150 kHz to 80 MHz <math>d = 1.2\sqrt{P}</math></b>	<b>80 MHz to 800 MHz <math>d = 1.2\sqrt{P}</math></b>	<b>800 MHz to 2.5 GHz <math>d = 2.33\sqrt{P}</math></b>
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23
For transmitters rated at a maximum output power not listed above, the recommended separation distance $d$ in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer. NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies. NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			

## Deflate Procedure

**CAUTION:** The Service mode is intended for use by authorized persons. Get access to the Mattress Deflate menu only. Otherwise, equipment damage or failure could occur.

Make sure the hose is connected to the control unit and the surface.



The display shows:

Entering Service Mode

Select **Configurations**.

1) Configurations ←  
2) Diagnostics

Select **Mattress Deflate**.

1) Lb/Kg Default  
2) Mattress Deflate ←

Select **Yes**.

Deflate Mattress?  
Yes ← No

Rental

Capital

Mattress Deflating  
H17.4 S15.1 F0.0(A)

Mattress Venting  
H17.4 S15.1 F0.0(A)

Mattress Deflation  
Complete

Exit when finished  
H17.4 S15.1 F0.0(A)

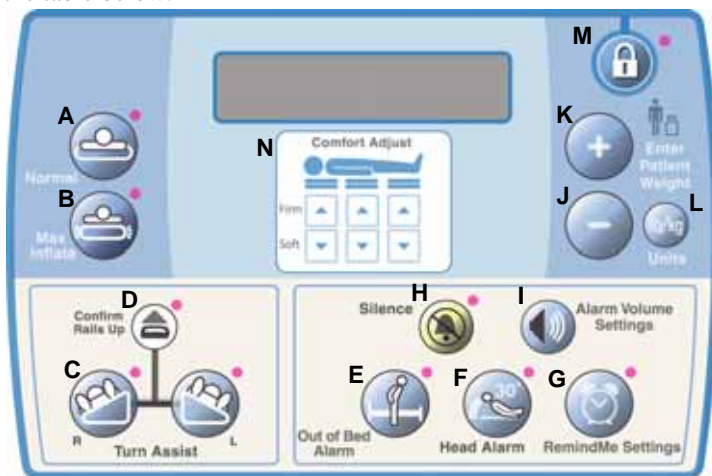


### NOTES:


1. The (+) and (-) controls move you through the menu items. The **lb/kg** control selects an item.
2. Deflation takes approximately 5 minutes for a Rental unit and 10 minutes for a Capital unit.
3. **Capital units**—as the display toggles between Mattress Venting and Exit when finished, push down on the surface to help it deflate more quickly.

## Controls Quick View

For more information about a control, go to the page number shown in the table below.



Item	Control Description	Page
A	Normal—causes the air pressure in the surface sections to adjust according to the entered weight and the surface head angle.	20
B	Max Inflate—causes the surface to become very firm for 30 minutes.	21
C	Turn Assist—temporarily turns the occupant to the left or right.	21
D	Confirm Rails Up—a reminder to make sure the siderails are up for the Turn Assist mode. You must press this control within two minutes before or after you press the Turn Assist control.	21
E	Out of Bed Alarm—an alarm that monitors the presence of the occupant’s weight on the surface. If no weight is detected, the system will go into an alarm state.	18
F	Head Alarm—an alarm that monitors the angle of the head section relative to the floor. If the angle is less than 30°, the system will go into an alarm state.	18
G	RemindMe™ Settings—an alarm that can be turned on as a reminder to do care tasks. You can set the alarm to come on from 30 minutes up to 4 hours.	19

Item	Control Description	Page
H	Silence—turns off the alarm sound and the flashing light bar for 30 minutes.	19
I	Alarm Volume Settings—lets you select one of three alarm volume levels: low, medium, or high. The default is high.	19
J, K	Plus and Minus—used as selectors for the display.	17
L	Lb/kg—changes the weight dimension shown on the display to lb or kg.	17
M	Lockout—locks out all of the controls on the control panel. It does not lock out the CPR control.	16
N	Comfort Adjust—changes the pressures from softer to firmer in the head, seat, and foot sections of the surface.	20
	CPR—causes the system to hyperinflate the surface for 60 minutes to supply a firm surface for CPR.	14



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